

## ABSTRACT

In a process for producing a poly(arylene sulfide) by polymerizing a sulfur source and a dihalo-aromatic compound in the presence of an alkali metal hydroxide in an organic amide solvent, the production process comprises washing a polymer obtained by the polymerization with a hydrophilic organic solvent containing water in a proportion of 1 to 30% by weight, thereby collecting a purified polymer, the content of nitrogen contained in an extract extracted by a mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the purified polymer is at most 50 ppm on the basis of the weight of the polymer, and a poly(arylene sulfide), the content of nitrogen contained in an extract extracted by a mixed solvent containing 40% by weight of acetonitrile and 60% by weight of water from the purified polymer is at most 50 ppm on the basis of the weight of the polymer.